

Rotation angle of the 1/4 wave plate: 45°			
Maximum Electric Current $I_0$		$0.82 \pm 0.01 \mu A$	
$\theta$	$I \mu A \pm 0.01 \mu A$	$\theta$	$I \mu A \pm 0.01 \mu A$
0°	0.69	180°	0.70
10°	0.69	190°	0.71
20°	0.70	200°	0.73
30°	0.74	210°	0.74
40°	0.76	220°	0.77
50°	0.78	230°	0.79
60°	0.80	240°	0.80
70°	0.80	250°	0.81
80°	0.81	260°	0.81
90°	0.82	270°	0.81
100°	0.79	280°	0.80
110°	0.78	290°	0.80
120°	0.77	300°	0.79
130°	0.76	310°	0.76
140°	0.74	320°	0.72
150°	0.72	330°	0.71
160°	0.71	340°	0.71
170°	0.70	350°	0.70

Table 5. Measurement data for the 1/4 wave plate (rotation angle 45°).

Rotation angle of the 1/4 wave plate: 70°	
$\theta [^\circ] \pm [2]^\circ$	67
$I \mu A \pm 0.01 \mu A$	1.41

Table 6. Measurement data for the 1/4 wave plate (rotation angle 70°).

Instructor's signature: \_\_\_\_\_

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